

METHOD, APPARATUS AND ARTICLE FOR DATA REDUCTION

ABSTRACT

1 A method, apparatus and an article of manufacture having
2 thereon a computer program, all for reducing data in
3 groups of N values per group. The largest X values of the
4 N values of each group is found. All but the largest X
5 values of each group is set equal to zero. Respective
6 ones of the N values produced are averaged to produce N
7 average values. The largest Y of the N average values are
8 set equal to a first binary value, and a remainder of the
9 N average values are set equal to a second binary value.
10 In one application, a signal is divided into a series of
11 frames. For each frame, a spectrum of the signal is
12 divided into a series of N frequency segments and the N
13 values represent the amplitudes of the frequencies in the
14 signal. Broadcast content is recognized.